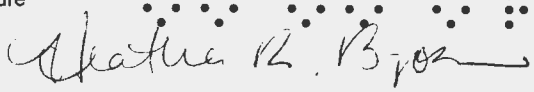




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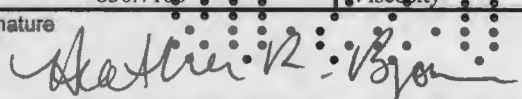
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Applicant's/Registrant's Name & Address Global Brass and Copper Inc. 427 North Shamrock Street, East Alton, IL 62024			Copper Shield 73		
Ingredient Copper (Metallic)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	46999401 47259501	Copper Development Association	PER	
830.1600	Description of Materials Used to Produce Product	46999401	Copper Development Association	PER	
830.1620	Description of Production Process	46999401	Copper Development Association	PER	
830.1650	Description of Formulation Process	46999401	Copper Development Association	PER	
830.1670	Discussion of Formation of Impurities	46999401	Copper Development Association	PER	
830.1700	Preliminary Analysis	46999401 47160902	Copper Development Association	PER	
830.1750	Certified Limits	46999401	Copper Development Association	PER	
830.1800	Enforcement Analytical Method	46999401	Copper Development Association	PER	
830.1900	Submittal of Standards	46999401	Copper Development Association	PER	
Signature 			Name and Title Heather R. Bjornson, Regulatory Agent		Date 10/22/2008

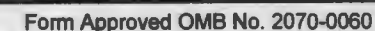


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Ingredient Copper (Metallic)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6302	Color				Not required OPPTS 830.1000
830.6303	Physical State	47160901	Copper Development Association	PER	
830.6304	Odor				Not required OPPTS 830.1000
830.6313	Stability to Temperature, Metals, and Metal Ions				Not required OPPTS 830.1000
830.6314	Oxidation/Reduction	47160901	Copper Development Association	PER	
830.6315	Flammability	47160901	Copper Development Association	PER	
830.6316	Explosibility	47160901	Copper Development Association	PER	
830.6317	Storage Stability	47160901	Copper Development Association	PER	
830.6319	Miscibility	47160901	Copper Development Association	PER	
830.6320	Corrosion Characteristics	47160901	Copper Development Association	PER	
830.6321	Dielectric Breakdown Voltage	47160901	Copper Development Association	PER	
830.7000	pH	47160901	Copper Development Association	PER	
830.7050	UV/Visible Absorption				Not required OPPTS 830.1000
830.7100	Viscosity	47160901	Copper Development Association	PER	
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Applicant's/Registrant's Name &amp; Address

Global Brass and Copper Inc. 427 North Shamrock Street, East Alton, IL 62024

### Copper Shield 73

Ingredient	Copper (Metallic)
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Figure 1 consists of two dot plots side-by-side, each representing a sample of 100 families. The x-axis for both plots is labeled 'Number of children' and ranges from 0 to 6. The y-axis is labeled 'Frequency' and ranges from 0 to 10. The left plot shows the distribution for the first 100 families, and the right plot shows the distribution for the next 100 families. Both plots show a similar pattern: a peak at 1 child (frequency of 10), with frequencies decreasing as the number of children increases. The distributions are roughly symmetric, with a slight skew to the right.

Signature \_\_\_\_\_

Father R. Byrnes

[illegible]

**Heather R. Bjornson, Regulatory Agent**

Date

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Applicant's/Registrant's Name & Address Global Brass and Copper Inc. 427 North Shamrock Street, East Alton, IL 62024	Copper Shield 73	

Ingredient Copper (Metallic)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.1100	Acute Oral Toxicity - Rats	46999402	Copper Development Association	PER	
870.1100	Acute Oral Toxicity - Mice	46999402	Copper Development Association	PER	
870.1200	Acute Dermal Toxicity	46999402	Copper Development Association	PER	
870.1300	Acute Inhalation Toxicity	46999402	Copper Development Association	PER	
870.2400	Acute Eye Irritation	46999402	Copper Development Association	PER	
870.2500	Acute Dermal Irritation	46999402	Copper Development Association	PER	
870.2600	Skin Sensitization	46999402	Copper Development Association	PER	
870.3150	90-Day Oral Toxicity - Dogs	46999402	Copper Development Association	PER	
870.3465	90-Day Oral Toxicity - Rats	46999402	Copper Development Association	PER	
870.3700	• • • Prenatal Developmental Toxicity - Rabbits	46999402	Copper Development Association	PER	
870.3700	• • • Prenatal Developmental Toxicity - Rats	46999402	Copper Development Association	PER	
870.3800	• • • Reproduction and Fertility Effects - 2 Gen	46999402	Copper Development Association	PER	
870.4100	Chronic Feeding, Dog	46999402	Copper Development Association	PER	
870.4100	Chronic Feeding, Rat	46999402	Copper Development Association	PER	
870.5200	• • • Bacterial Reversal Mutation (Ames) Test	46999402	Copper Development Association	PER	
870.5200	• • • Other Mutagenicity	46999402	Copper Development Association	PER	
870.7485	Metabolism and Pharmacokinetics - Rat	46999402	Copper Development Association	PER	

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Name and Title

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Applicant's/Registrant's Name & Address Global Brass and Copper Inc. 427 North Shamrock Street, East Alton, IL 62024	Copper Shield 73	

[illegible]

re Stephen R. Byrd

**Heather R. Bjornson, Regulatory Agent**

Date  
10/22/2008





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Applicant's/Registrant's Name & Address Global Brass and Copper Inc. 427 North Shamrock Street, East Alton, IL 62024	Copper Shield 73	

Ingredient Copper (Metallic)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	

Signature 	Name and Title Heather R. Bjornson, Regulatory Agent	Date 10/22/2008
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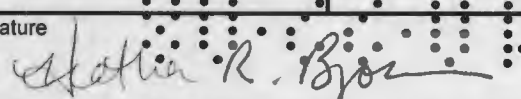


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Ingredient Copper (Metallic)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
					Not required OPPTS 830.1000
			Copper Development Association	PER	
					Not required OPPTS 830.1000
					Not required OPPTS 830.1000
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	
			Copper Development Association	PER	
					Not required OPPTS 830.1000
			Copper Development Association	PER	
Signature 			Name and Title Heather R. Bjornson, Regulatory Agent		Date 10/22/2008



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**Applicant's/Registrant's Name & Address**

Global Brass and Copper Inc. 427 North Shamrock Street, East Alton, IL 62024

### Copper Shield 73

Ingredient	Copper (Metallic)
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Signature\_\_\_\_\_

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Father R. Brown

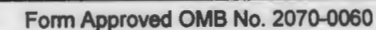
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### Copper Shield 73

Ingredient	Copper (Metallic)
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[illegible]

Signature \_\_\_\_\_

Shane R. Boy

[illegible]

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### Copper Shield 73

Ingredient	Copper (Metallic)
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Signature \_\_\_\_\_

Walter R. Brown

Name and Title	Signature	Date

**Heather R. Bjornson, Regulatory Agent**

Date \_\_\_\_\_

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